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(54) ACTINIC ENERGY RAY-CURABLE INK-JET INK

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an actinic energy ray-curable ink-jet ink having low viscosity, excellent in photopolymerizability, having excellent curability in a thick coat, good at heat stability, and to provide the actinic energy ray-curable ink-jet ink good at issue stability with a nozzle, adhesion to printing medium, solvent resistance and water resistance.

SOLUTION: This actinic energy ray-curable ink-jet ink is characterized by being obtained by compounding a liquid component comprising (1) 10-50 wt.% oxirane group-containing compound, (2) 50-90 wt.% oxetane ring-containing compound and (3) 0-40 wt.% vinyl ether compound with (4) a pigment, (5) a photo cationic polymerization initiator and (6) a pigment dispersant.

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